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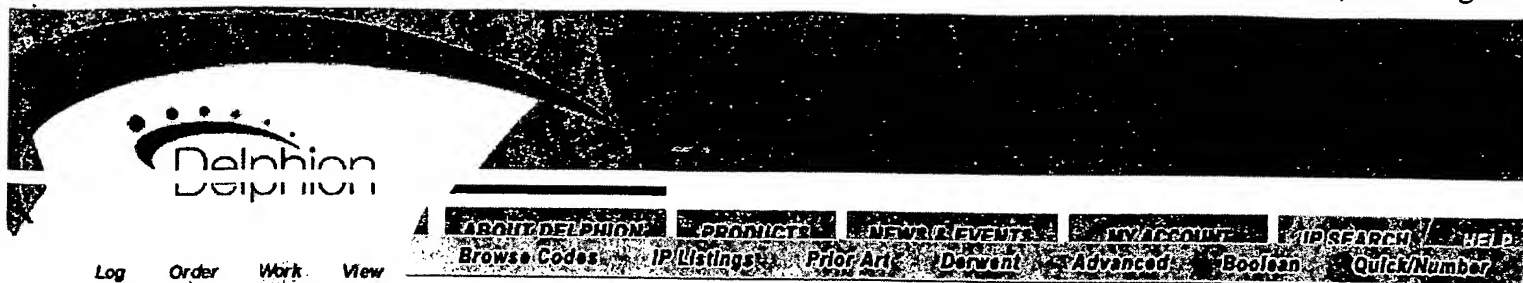
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Title: **JP7272702A2: MANUFACTURE OF RING-SHAPED GASKET OF MANGANESE DRY BATTERY**

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Country: **JP Japan**
Kind: **A**

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FUJI ELELCTROCHEM CO LTD

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Issued/Filed Dates:

Oct. 20, 1995 / March 30, 1994

Application Number:

JP1994000061135

IPC Class:

H01M 2/08;

Priority Number(s):

March 30, 1994 JP1994000061135

Abstract:

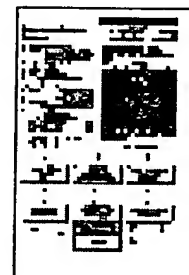
Purpose: To enhance electrolyte leakage resistance of a manganese dry battery.

Constitution: A negative terminal plate 10 and a ring-shaped gasket 11 are arranged in order on the bottom of a cylindrical zinc can 1 with bottom, and the outer circumference of the zinc can 1 is covered with a heat shrinkable resin tube 9 so that the gasket 11 is covered with the circumferential edge of the tube 9, and an outer jacket 12 is fitted to the outer circumference of the tube 9 so that the end of the outer jacket 2 fastens the terminal plate 10 and the gasket 11 through the tube 9. The ring-shaped gasket 11 is manufactured in such a way that a paper material whose density is 0.5-0.6g/cm³ and air permeability is 6-10 seconds is dried until the moisture content becomes 4% or less, then this paper material is impregnated with water repellent material of a mixture of polybutene, paraffine wax, and polyethylene so that the impregnated content becomes 40-wt.% or more. Since the impregnated content of the water repellent material is 40wt.% or more, the electrolyte leakage resistance of a manganese dry battery is surely maintained.

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Other Abstract Info: DERABS C96-002616 DERC96-002616

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PATENT ABSTRACTS OF JAPAN(21) Application number: **06061135**(51) Intl. Cl.: **H01M 2/08**(22) Application date: **30.03.94**

(30) Priority:

(43) Date of application
publication: **20.10.95**(84) Designated contracting
states:(71) Applicant: **FUJI ELELCTROCHEM CO LTD**(72) Inventor: **SUZUKI YUKIFUMI
MURATA CHIHIRO
MURAKOSHI MITSUO
IZUMI AKIHIDE
NISHIO MASATAKE**

(74) Representative:

**(54) MANUFACTURE OF
RING-SHAPED GASKET OF
MANGANESE DRY
BATTERY**

(57) Abstract:

PURPOSE: To enhance electrolyte leakage resistance of a manganese dry battery.

CONSTITUTION: A negative terminal plate 10 and a ring-shaped gasket 11 are arranged in order on the bottom of a cylindrical zinc can 1 with bottom, and the outer circumference of the zinc can 1 is covered with a heat shrinkable resin tube 9 so that the gasket 11 is covered with the circumferential edge of the tube 9, and an outer jacket 12 is fitted to the outer circumference of the tube 9 so that the end of the outer jacket 2 fastens the terminal plate 10 and the gasket 11 through the tube 9. The ring-shaped gasket 11 is manufactured in such a way that a paper material whose density is 0.5-0.6g/cm³ and air permeability is 6-10 seconds is dried until the moisture content becomes 4% or less, then this

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